## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                               | INITIALS | ID NO. | DATE     |  |  |
|----------------------------------------|----------|--------|----------|--|--|
|                                        | Daniel   |        | 04-26-01 |  |  |
| FEE DETERMINATION  O.I.P.E. CLASSIFIER |          | 3 7    | C6/15/01 |  |  |
| FORMALITY REVIEW                       | - F(· L  | 1079   | <u> </u> |  |  |
| RESPONSE FORMALITY REVIEW              |          |        |          |  |  |

## INDEX OF CLAIMS

|   | 0.1                              | N  | Non-elected  |
|---|----------------------------------|----|--------------|
| ~ | Rejected                         | 14 | Interference |
| _ | Allowed                          | 1  | Interretence |
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| Claim                                                                           | Date              |          | _            |          |              | $\neg$   | [         | Cla      |                 |          |              |
| Final   Original                                                                |                   |          |              |          |              |          |           | Final    | Original        |          |              |
|                                                                                 | +                 | $\dashv$ | _            | $\dashv$ |              | Н        | į         |          | 51              | 7        |              |
| 2111                                                                            | +                 |          | _            |          |              | П        |           |          | 52              |          |              |
| 1 - 1 3 1 1 1 - 1 1 1 - 1 1 1 - 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | +-                |          | Г            |          |              |          |           |          | 53              |          | L            |
| 4 11                                                                            | $\top$            |          |              |          |              |          |           |          | 54              |          | _            |
| 5                                                                               |                   |          |              |          | _            | Ш        |           | <u> </u> | 55              |          | -            |
| 6                                                                               | 1_                | L        | L            | <u> </u> | L            | Ш        |           | ⊢        | 56<br>57        | _        | -            |
| 7 1                                                                             | 4-                | <u> </u> | <u> </u>     | 1        | $\vdash$     | $\vdash$ |           | $\vdash$ | 58              | _        | ┝            |
|                                                                                 | -                 | -        | ├            | ┼─       | ┝            | $\vdash$ |           | ┝        | 59              | _        | ╁            |
| \ <u>\</u>                                                                      | +-                | ╀        | ┢            | ╁╌       | ┝            | +-       |           | <b> </b> | 60              | Г        | T            |
| 10                                                                              | +-                | +-       | <del> </del> | ╁╴       | T            | 一        | l         | $\vdash$ | 61              |          | <u> </u>     |
|                                                                                 | 十                 | ┢        | +            | 1        | †-           | 1        | 1         |          | 62              |          | L            |
| 2 43                                                                            | 十                 | T        | Τ            |          |              |          | ]         |          | 63              | L        | 1_           |
| 4 11                                                                            | 1                 |          |              |          | L            | L        |           | L        | 64              | L        | 1_           |
| 15                                                                              |                   | L        |              | 1_       | 1            | 1        | 1         | $\vdash$ | 65              | ╀        | +-           |
| 18 11                                                                           |                   | 1        | 1            | 1-       | ╄            | ┼        | -         | $\vdash$ | 66<br>67        | ┾        | ╁            |
| 17                                                                              | -                 | ╀        | ╀            | +-       | ╁            | +-       | 1         | $\vdash$ | 68              | $\vdash$ | +            |
| 18                                                                              | +                 | ╁        | ╁            | +        | +            | +-       | 1         | -        | 69              | +-       | $^{\dagger}$ |
| 19                                                                              |                   | ╁        | 十            | +        | +            | +-       | 1         | r        | 70              | -1-      | $\top$       |
| 20                                                                              | - -               | ╁        | +            | +'-      | +            | +-       | 1         | $\vdash$ | 71              | †        | 1            |
| 21 22                                                                           | +                 | +-       | $\dagger$    | +        | ✝            | +        | 1         |          | 72              |          | 1            |
| 23                                                                              | +                 | $\top$   | T            | $\top$   | T            | T        |           |          | 73              | _        | 1            |
| 24                                                                              | 1                 | 1        |              |          |              |          |           | L        | 74              | -        | $\downarrow$ |
| 25                                                                              |                   | $\perp$  |              | 1        | 4            | 4        | 4         | -        | 7:              |          | +            |
| 26                                                                              |                   | $\perp$  | 4            | $\bot$   | 4            | -        | 4         | -        | 76              | -        | +            |
| 27                                                                              |                   | +        | +            | +        | +            | +        | 4         | -        | 71              |          | +            |
| 28                                                                              | +                 | +        | +            | +        | +            | +        | 4         | H        | 7               | _        | $\dagger$    |
| 30                                                                              | -+                | +        | +            | +        | +            |          | ┥         | F        | 8               | o        | 7            |
| 31                                                                              | -+                | +        | $\dagger$    | +        | $\dashv$     | ┪        | 7         | T        | 8               | 1        | I            |
| 32                                                                              |                   | 十        | 1            | 1        | 7            | 1        |           |          | 8               | -        |              |
| 33                                                                              |                   |          |              |          |              | $\Box$   |           | L        | 8               |          | 4            |
| 34                                                                              |                   |          | $\perp$      | 4        | _            | _        | 4         | -        | 8               | 5        | 4            |
| 35                                                                              | $\sqcup$          | _        | -            | -        | 4            | -        | $\dashv$  | -        |                 | 6        | +            |
| 36                                                                              | $\vdash$          | -        | +            | -+       | $\dashv$     | +        | $\dashv$  | ŀ        | _               | 17       | +            |
| 37                                                                              | -                 | +        | +            | +        | Ⅎ            | -        |           | ŀ        |                 | 8        | 7            |
| 39                                                                              | ╁┿                | $\dashv$ | +            | -+       | ٦            | +        | ᅱ         | Ì        | 8               | 39       |              |
| 40                                                                              | ++                | 1        | 寸            | $\dashv$ | _            |          |           | Ī        | 9               | 90       |              |
| 41                                                                              | $\dagger \dagger$ | _        | -            | 1        | _            | $\sqcap$ | $\exists$ | Ì        | 19              | 91       |              |
| 42                                                                              | +                 |          | $\neg$       | 7        | _            |          |           | Į        |                 | 92       |              |
| 43                                                                              | 17                |          |              |          | _            |          |           |          | -               | 93       | _            |
| 44                                                                              |                   |          |              |          |              | Ш        | $\perp$   |          | _               | 94       | _            |
| 45                                                                              | П                 |          |              | Ц        |              | $\sqcup$ | 4         |          | -               | 95       |              |
| 46                                                                              | $\perp \perp$     |          |              |          |              |          | $\dashv$  |          | -               | 96<br>97 | -            |
| 47                                                                              | -                 |          | -            | -        | $\vdash$     | ╁┤       | $\dashv$  |          | <b>⊢</b>        | 98       | -            |
| 48                                                                              | +                 |          | -            | -        | $\vdash$     | $\vdash$ |           |          | $\vdash \vdash$ | 99       |              |
| 50                                                                              | +                 | -        | -            | -        | <del> </del> | Н        | $\exists$ |          |                 | 100      |              |
|                                                                                 |                   |          |              |          |              |          |           |          |                 |          |              |

| Cla      | im       |          |            | —        |         | Dat      | e<br>te  |         | _             | _        |        | . [      |
|----------|----------|----------|------------|----------|---------|----------|----------|---------|---------------|----------|--------|----------|
|          |          | _1       |            |          | T       | Г        | Γ        |         |               |          |        |          |
| Final    | Original |          |            |          |         |          |          |         |               |          |        |          |
| ⊢        | 51       | $\neg$   |            | ┝        | 1       | T        | Г        |         | Г             | Γ        |        | '        |
| <u> </u> | 52       | Н        | _          | -        | †-      | †-       |          | Τ       | Г             | Π        | Г      |          |
| ┢        | 53       | _        | -          | 1        | ✝       | ✝        | Т        |         | $\vdash$      | Ī        | Γ      | 1        |
| ├        | 54       |          | ├          | ┢        | ╁╌      | ╁╌       | +-       | ╁╌      | t             | $\vdash$ | 一      | 1        |
| -        | 55       | -        | -          | ┢        | +-      | +-       | T        | †       |               | Г        | Т      | 1        |
| ┝        | 56       | ┝╌       | ├─         | ┤        | +       | +-       | ✝        | $\top$  | Г             | T        |        | 1        |
| $\vdash$ | 57       | ⊢        | ├-         | +-       | +-      | +-       | †        | 1       | $\vdash$      | $\vdash$ | $\top$ | 1        |
| $\vdash$ | 58       | ┨        | ┝          | ╁        | +-      | +-       | 1-       | +-      | T             | T        | T      | 1        |
| $\vdash$ | 59       | -        | ╀          | ╁╌       | 1       | +        | +        | ╁       | ┢             | 1        | T      | 1        |
| -        | _        | -        | ╁          | ╁        | ╁       | +-       | +-       | ╅╌      | t             | ┰        | $\top$ | 1        |
| $\vdash$ | 61       |          | ┼-         | ╁╴       | ╁       | ╁        | +        | 十       | 十             | +        | T      | 1        |
| -        | 62       |          | <b>∤</b> − | ╁╌       | ╁       |          | ╁        | +       | 十             | +-       | +-     | 1        |
| $\vdash$ | 63       |          | ╀╌         | ╀        | +-      | +-       | +        |         | ╁             | 十        | +      | 1        |
| -        |          | -        | ╀          | ╁        | +       | +        | ╁        | +-      | +-            | +-       | +-     | 1        |
| $\vdash$ | 64       | -        | ┼-         | ╀        | +       | ╌        | ╁        | +       | +             | +        | +-     | ┪ .      |
| $\vdash$ | 65       | _        | +-         | +-       | +-      | ╁        | ╁        | ╫       | +             | +        | +      | ┨ .      |
| $\vdash$ | 66       | _        | ╁          | +        | ┿       | +-       | ┿        | +-      | ╁             | ╁        | ╫      | 1        |
| $\vdash$ | 67       |          | +          | +        | +       | +-       | +-       | +-      | ╅             | +-       | +      | 1        |
| <u> </u> | 68       | +-       | +          | ╬        |         | +        | +        | +       | +             | ┿        | ╁      | ┪        |
| L        | 69       |          |            | -        | +       | -+       | +        | +       | +             | +        | +      | -        |
| L        | 70       | _        | 1          | 1        | _       | _        | 4        | +       | +             | +        | +      | 4        |
|          | 7        |          | 1          | 1        | 1       | _        | $\perp$  | 4       | +             | +        | +-     | 4        |
| L        | 7:       |          |            | 1        | $\perp$ | _ _      | $\perp$  | 4       | +             | +        | +      | 4        |
| L        | 7        | _        | 1          | 1        | 4       | _ -      | 4-       | _       | _             | +        | +      | -        |
|          | 7        | _        |            | 1        | _       | _        | _        | 4       | _             | -        |        |          |
| L        | 7        |          | ┸          | _        | _       | _        | _        | $\bot$  | -             | +        | -      | -        |
|          | 7        | _        |            | _        | _ _     | _ -      |          | _       | _             |          | +      |          |
| L        | _        | 7        | $\perp$    | _        | _       | 4        | _        | _       | _ -           |          |        |          |
|          |          | 8        | $\perp$    | $\perp$  | _       | $\dashv$ | 4        | 4       | 4             | -        | -      | _        |
|          | 7        | 9        | $\perp$    | $\perp$  | _       | _        | $\perp$  | _       | 4             | 4        | 4      | 4        |
|          | ٤        | 0        |            | $\perp$  |         | _        | _        | $\perp$ | _             | _        | -      |          |
| Γ        |          | 31       | $\perp$    |          | $\perp$ | _        | _ .      | 4       | _             | _        | _      | 4        |
|          | 8        | 32       |            | $\perp$  | $\perp$ | _        | 4        | _       | _             | _        | -      | _        |
|          |          | 33       |            |          |         |          | _        | _       |               | -1       | -      |          |
|          |          | 34       | $\perp$    |          | _       | _        | _        | _       | _             | -        | _      | -        |
|          |          | 35       | _          | _        | _       | _        | _        | _       | _}            | 4        | _      | 4        |
| [        |          | 36       | $\perp$    |          |         |          | $\dashv$ | _       | $\dashv$      | 4        |        | $\dashv$ |
| [        |          | 37       |            |          |         |          | _        |         | _             | _        | -      | _        |
| ſ        |          | 38       |            |          |         |          | $\perp$  |         | _             | _        | _      | 4        |
| Ī        |          | 89       |            |          |         | Ш        | _        |         |               | _        | _      | 4        |
| Ī        |          | 90       |            | _ ]      |         |          |          |         |               |          |        | _        |
| Ī        | $\neg$   | 91       |            |          |         |          |          |         | 1             |          |        | _        |
| İ        |          | 92       |            |          | Г       |          |          |         |               |          |        | $\Box$   |
|          | -        | 93       |            | _        | Γ       |          |          |         |               |          |        | Ш        |
|          |          | 94       |            |          | Γ       | Γ        |          |         |               | Ĺ        |        |          |
|          |          | 95       |            |          | Τ       | 1        | Γ_       |         |               |          |        |          |
|          |          | 96       | П          | Γ        | Π       | T        | Γ        | Π       |               |          |        |          |
|          | Н        | 97       | -          |          | 1       | 1        | 1        |         |               | Γ        |        |          |
|          | H        | 98       | -          | $\vdash$ | T       | 1        | 1        | 1       | 1             | Ī        | 1_     |          |
|          | $\vdash$ | 99       | -          | 1        | 1       | 1        | $T^-$    | 1       | 1             | Γ        |        |          |
|          | ├        | <u> </u> | ┼          | $\vdash$ |         | +-       | 1        | 1       | $\overline{}$ | $\vdash$ | T      |          |

| •••      |          | ,,,,,      |              |          |              |          |          |           |              |          |            | 7        |
|----------|----------|------------|--------------|----------|--------------|----------|----------|-----------|--------------|----------|------------|----------|
| :la      | im       | _          | _            | _        |              | Da       | te       |           |              |          | ٦          |          |
| 7        | 1        | -1         |              | Γ        | Γ            |          |          |           |              |          |            |          |
| a        | Original | 1          |              | 1        |              |          | 1        |           |              |          |            | l        |
| Final    | ō        |            |              | L        | L            | _        | <u> </u> | _         | _            |          |            |          |
|          | 101      |            | _            | ┖        | ┖            | _        | <u> </u> | ┞-        | <u> </u>     | Н        | _          |          |
| _        | 102      |            | <u> </u>     | Ļ        | ↓_           | ١.,      | ↓_       | -         | <del> </del> |          | _          | 1.       |
| _        | 103      |            | _            | Ļ        | ot           | ╄        | 丨        | ┡         | ┞            | 1        | -          |          |
| _        | 104      | -          | ├-           | ╁        | ╀            | ╁        | ╁        | ╁         | ┢            | ╁╌       |            | ¥.       |
| _        | 105      |            | ┝            | +        | +-           | +-       | ╁╾       | ╁         | ╁            | ┪        | H          | ¥        |
| _        | 107      |            | ╁            | +        | ╁            | +        | ╁        | ╁         | +-           | ┪        | H          | 1.       |
| -        | 100      | -          | ╁            | ╁        | ╁            | ╁        | 十        | $\vdash$  | 1            | T        |            | 1,       |
| -        | 109      |            | ╁            | ╁        | +            | 1        | †        | T         | Τ            | 1        |            | ] ]      |
| _        | 110      |            | T            | T        | T            |          |          |           |              | T        | L          |          |
| _        | 11       |            | T            | I        | Ι            | $\perp$  | L        |           | L            | 1        | L          | ] ;      |
|          | 112      |            | L            | $\perp$  |              | $\perp$  | $\perp$  | 1         | ╀            | 4        | ╄          | -        |
|          | 11       |            | L            | 1        | 1            | 4        | 4_       | 4_        | 1            | 4        | ╀          | 4        |
| _        | 11       |            | 1            | $\perp$  | $\perp$      | +        | +        | 4.        | +            | +        | ╀          | ١,       |
| _        | 11       |            | $\downarrow$ | ╀        | +            | +        | +        | ╁         | +            | +-       | +          | -        |
| L        | 11       |            | +-           | -        | ╬            | +-       |          | +-        | ╁            | H        | ╁          |          |
| H        | 11       |            | +            | +        | +            | +-       | ╁        | +-        | +            | ╁        | +          | ┨ .      |
| ┝        | 11       |            | ╁            | +        | +            | +        | +        | +         | +            | +        | t          | 1        |
| $\vdash$ | 12       |            | +            | +        | +            | +        | 十        | $\dagger$ | t            | 十        | T          | 7        |
| ┝        | 12       |            | +            | ╁        | +            | +        | +        | 十         | +            | $\top$   | Ť          | 1        |
| H        | 12       |            | +            | +        | +            | 十        | $\top$   | 1         | $\top$       | $\top$   | I          |          |
| r        | 12       | 23         | $\top$       | 1        | 1            |          |          |           | I            |          | T          | 4        |
| r        | 12       | 24         | $\top$       | I        | I            | $\perp$  |          |           | 1            | _ _      | 1          | 4        |
|          | 12       | 25         | I            |          |              |          | $\perp$  | _ _       | $\perp$      | $\perp$  | 4          | 4        |
|          |          | 26         | 1            | 4        | 4            | 4        | _ -      | -         | +            |          | +          | 4        |
| L        |          | 27         | 4            | 4        | $\dashv$     | $\dashv$ | +        | 4         |              |          |            | $\dashv$ |
| L        |          | 28         | +            | +        | +            | $\dashv$ | +        | +         | +            | +        | ╁          | $\dashv$ |
| F        |          | 29<br>30   | +            | +        | -+           | -+       | +        | +         | +            | +        | +          | ᅱ        |
| 1        | _        | 31         | +            | $\dashv$ | -+           | 十        | 十        | +         | -†           | +        | $\dagger$  | 7        |
| +        |          | 32         | $\dashv$     | $\dashv$ | $\dashv$     | $\dashv$ | 寸        | $\dashv$  | 十            | 7        | 7          | コ        |
| H        |          | 33         | +            | 1        | 7            | 7        | 1        | 1         | 7            |          |            |          |
| t        |          | 34         | _†           | 1        | 7            | 一        | $\Box$   |           |              |          | $\Box$     |          |
| t        | 1        | 35         |              |          |              |          |          |           | $\perp$      | _        | 4          | _        |
|          |          | 36         |              |          |              | _        | $\dashv$ | _         | _            | _        | _          | _        |
|          | _        | 37         | _            | $\Box$   | _            |          | _        | 4         | $\dashv$     | -+       | 4          | 긕        |
| ļ        | -        | 38         | _            | 4        | _            | _        | -        | -+        | -+           | -        | -+         | $\dashv$ |
| ļ        | -        | 39         | _            | _        |              | $\dashv$ | -        | -+        | -+           |          | -          | ᅱ        |
| -        |          | 140        |              |          |              | _        |          |           | $\dashv$     | -        | ┥          | ㅓ        |
| -        |          | 141        | _            |          | -            |          |          | -         | $\dashv$     | -+       | ᅱ          | $\dashv$ |
| ļ        |          | 142<br>143 |              | -        | -            | $\vdash$ | $\vdash$ | $\dashv$  | $\dashv$     | -+       | ᅱ          | ㅓ        |
| 1        | -        | 144        |              | $\vdash$ | ┝            | $\vdash$ | $\vdash$ | H         | _            | $\dashv$ | _          | $\dashv$ |
|          |          | 145        | _            | -        | -            | $\vdash$ | Η.       | H         |              | Н        |            |          |
|          | _        | 146        | -            | Ι-       | <del> </del> |          | Ι-       |           | П            |          | <br>L_     |          |
|          | $\vdash$ | 147        | _            |          | Τ            | Γ        | Γ        | Г         |              |          |            |          |
|          | $\vdash$ | 148        |              |          | L            |          |          |           |              |          | Ĺ          |          |
|          |          | 149        |              |          |              | $\Box$   | $\Box$   |           | L            | _        | <b>├</b> - | _        |
|          |          | 150        |              | Ĺ        | L            | L        | ļ        | L_        | L_           | <u></u>  | <u> </u>   | L_       |
|          |          |            |              |          |              |          |          |           |              |          |            |          |

If more than 150 claims or 10 actions staple additional sheet here

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